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Dr. Gail is a lifetime Associate of the US National Academy of Science's research council, having participated on a number of committees including the recent review of the National Weather Service and the 2007 Decadal Survey that recommended a 10-year satellite plan for NASA and NOAA. He serves or has served on a variety of editorial, corporate, and organizational boards including Women in Aerospace, Imaging Notes magazine, SPIE Journal of Applied Remote Sensing, IEEE Geoscience and Remote Sensing Society, NOAA Advisory Committee on Commercial Remote Sensing (acting), NASA Senior Review, NASA Earth Sciences Roadmap Committee, and NASA Applied Sciences Program Advisory Group.